

FIG. 5

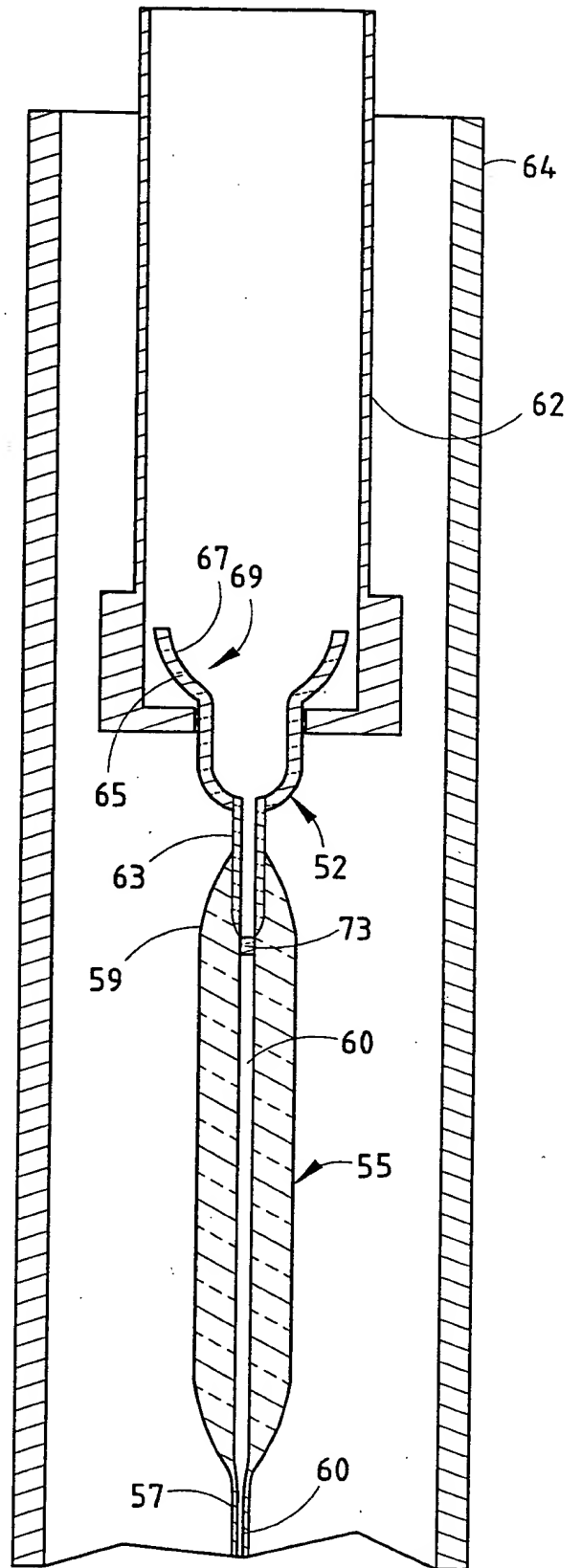
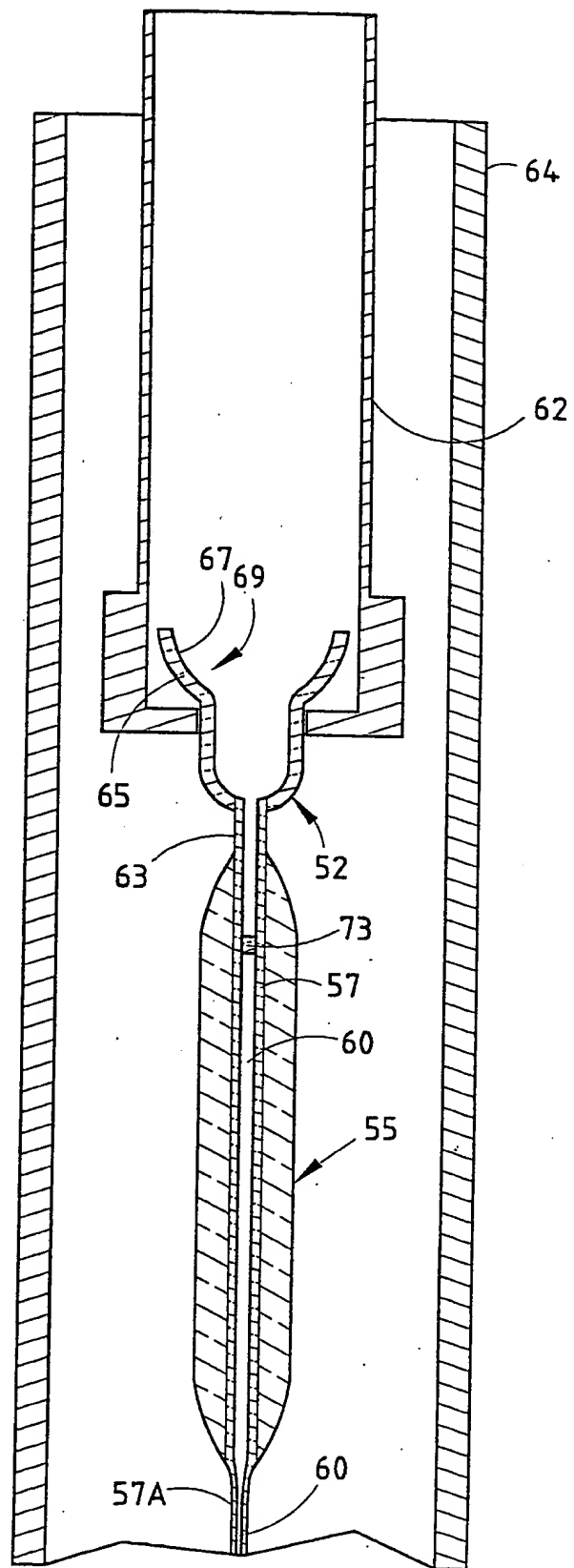
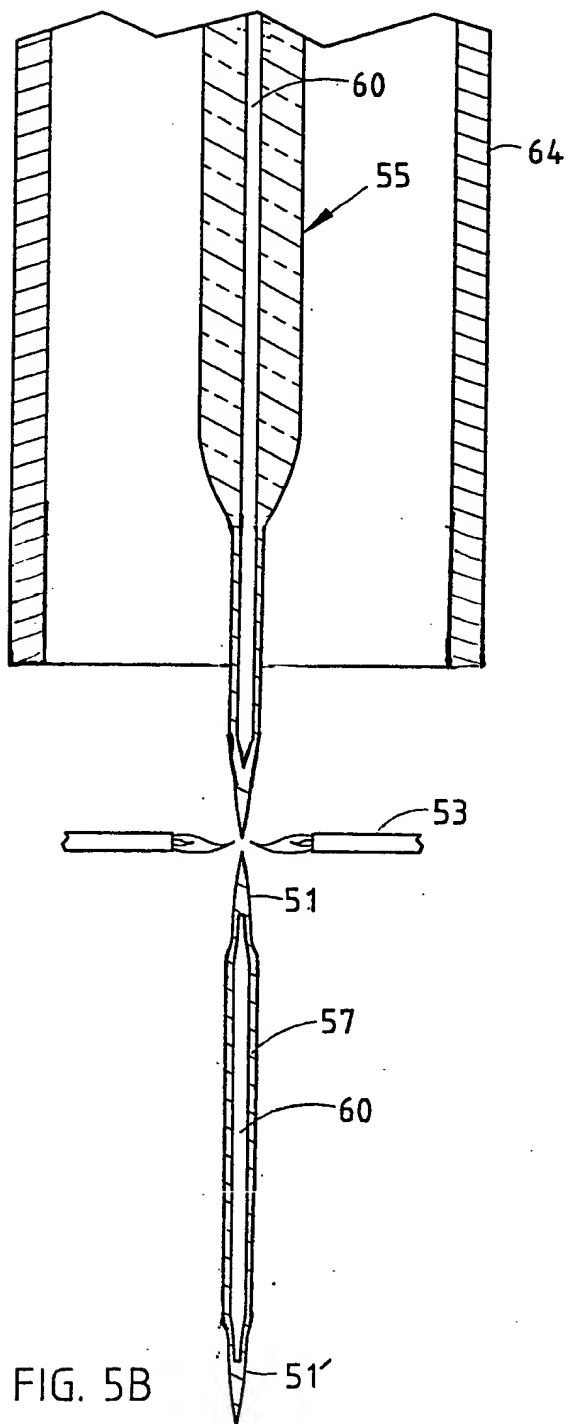


FIG. 5A



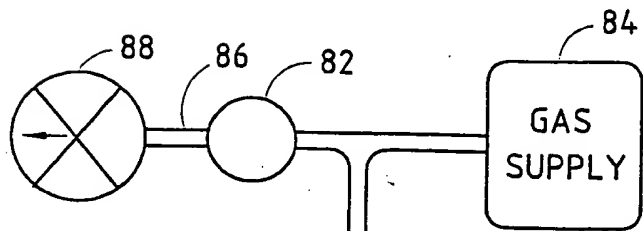


FIG. 7

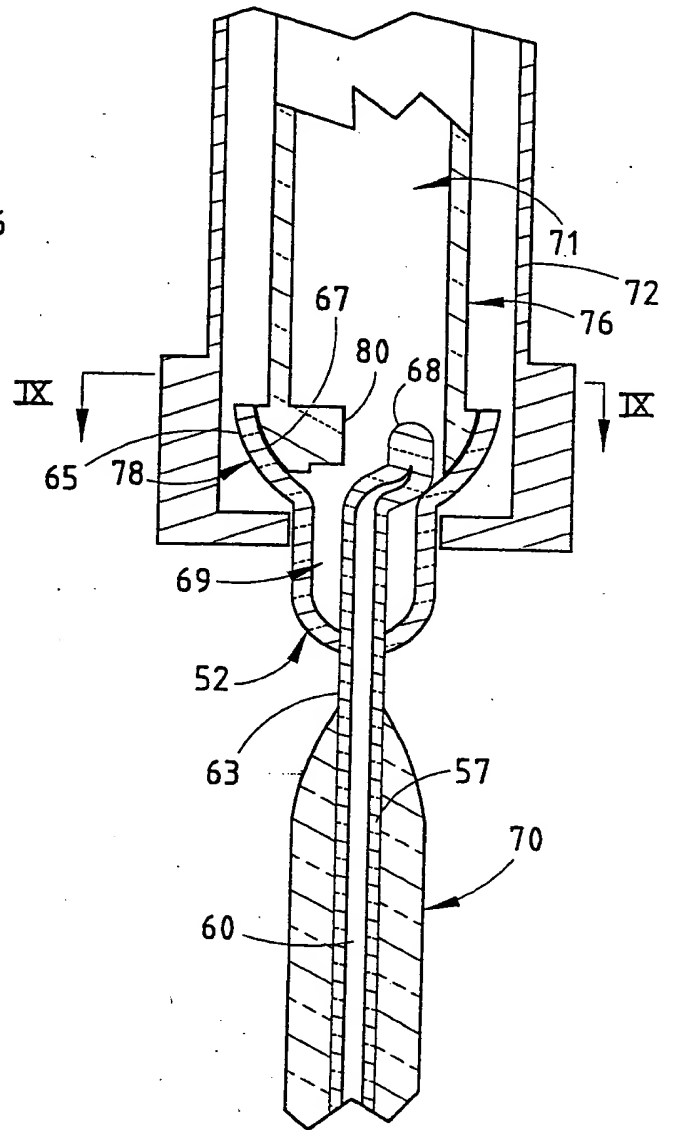
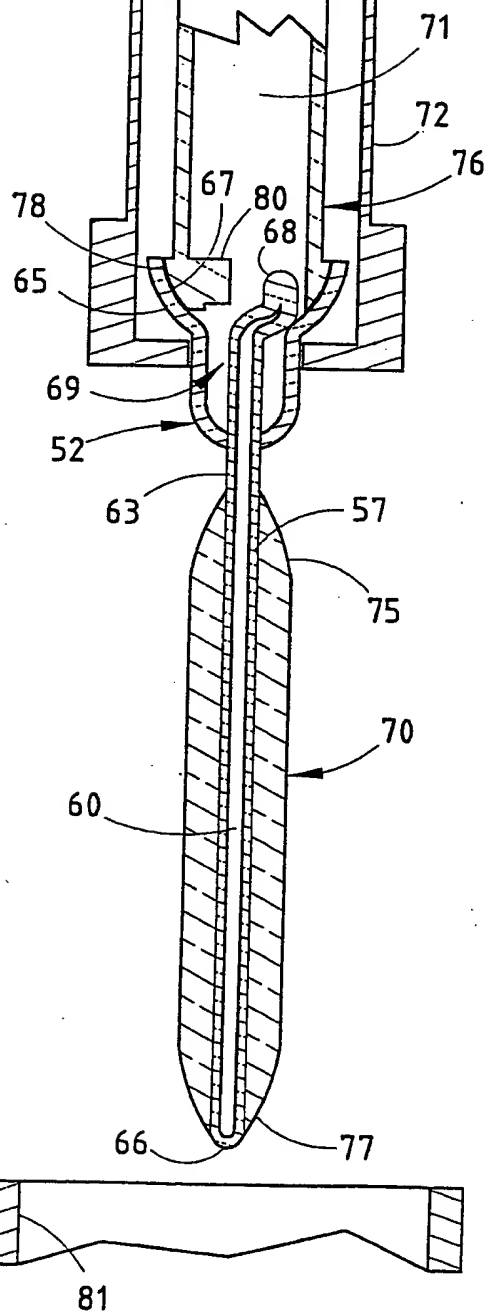


FIG. 8



STEP 1: FORM GLASS PREFORM WITH CENTERLINE HOLE AND INTEGRALLY ATTACHED OUTER HANDLE 100

STEP 2: SUSPEND GLASS PREFORM WITHIN DRAWING MACHINE 102

STEP 3: MATE OUTER HANDLE WITH INNER HANDLE 104

PLACE GLASS PREFORM IN HOTZONE? 106

STEP 4: PLACE GLASS PREFORM IN HOTZONE

REMOVE GLASS PREFORM FROM HOTZONE? 108

STEP 5: REMOVE GLASS PREFORM IN HOTZONE

APPLY VACUUM TO INNER HANDLE? 110

STEP 6: APPLY VACUUM TO INNER HANDLE

STEP 7: BACK FILL INNER HANDLE WITH DRY OR DRYING GAS 112

STEP 8: SNAP CANE 114

STEP 6a: SNAP CANE 120

APPLY VACUUM TO CENTERLINE? 122

STEP 7a: APPLY VACUUM TO CENTERLINE 124

STEP 8a: BACKFILL CENTERLINE WITH DRY OR DRYING GAS 126

STEP 6b: EXPOSE CENTERLINE TO DRY OR DRYING GAS

EXPOSE OUTER HANDLE AND CENTERLINE TO AMBIENT AIR? 128

STEP 9a: EXPOSE OUTER HANDLE AND CENTERLINE TO AMBIENT AIR 128

STEP 11: DRAW OPTICAL FIBER FROM GLASS PREFORM 130

STEP 9: PASS DRY OR DRYING GAS OVER OUTER HANDLE AND TO EXHAUST 116

ROUTE EXHAUST GAS TO ONE-WAY VALVE? 118

STEP 10: ROUTE EXHAUST GAS TO ONE-WAY VALVE 118

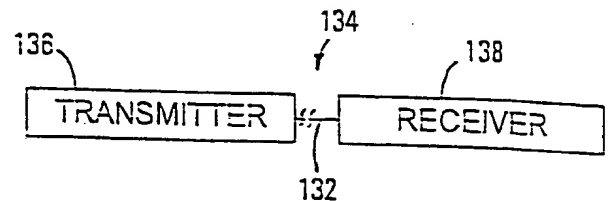


Fig. 15

FIG. 13